e e. Two pits obſerved years ago, now ſunk much deeper.

f f f. Former clear ſmall ſprings, where it is ſuppoſed the water now vents itſelf.

g g. Steep riſing ground, or woods, on each ſide Frooyd, declining towards the Looyd.

LXXXI. *An Account of the Agitation of the Waters, on the 1ſt of* November 1756, *in* Scotland *and at* Hamburgh. *Communicated by* John Pringle, *M. D. F. R. S. in a Letter to the Rev.* Tho. Birch, *D. D. Secret. R. S.*

SIR,

Read Mar. 18, 1756. THE two incloſed accounts of the agitation of the waters, on the firſt of November laſt, I received ſince the laſt meeting of the Society. One was tranſmitted to me by Dr. Simſon, profeſſor of medicine in the univerſity of St. Andrews, containing the obſervation of Mr. Mark M'Callum, maſter of a Greenland ſhip, who happened to be that day at the Queen's-Ferry, a ſea-port town on the Frith of Forth, about ſeven miles farther up than Leith. The account is addreſſed to the rev. Mr. Dalgleiſh, a friend of Dr. Simſon's, and employed by him to procure the beſt information.

Dr. Simſon, in the ſame letter to me, takes notice of a report, as if the ſame agitation of the water was likewiſe

likewiſe ſeen at Alloa, another ſea-port town about ſixteen miles higher on the Frith; but as he had received no certain account of that circumſtance, he could not anſwer for the truth of it. He concludes with ſaying, that, ſo far as he could be informed, there was no ſenſible agitation of the ſea any-where on the coaſt of Fife; though great part of that county lies upon the Frith, and abounds with inhabitants on the coaſt, who might have made the obſervation.

The other paper is an extract of a letter from Mr. Reimarus, profeſſor of the oriental languages at Hamburgh, to his ſon, Mr. Reimarus, at preſent ſtudent of phyſic in this place. This laſt gentleman wrote to his father, at my requeſt, in order to have an authentic account of what we read in the publick papers, concerning the motion of the candleſticks in the churches, and the agitation of the waters in and about that city on the firſt of November laſt. I am,

SIR,

Your moſt obedient

humble ſervant,

John Pringle.

Pall-mall, 18 Mar. 1756.

SIR,

Read Mar. 18, 1756. ABout ten o'clock of the forenoon, on the firſt day of November, to the beſt of my remembrance, being then on the pier at Queen's-ferry, I obſerved the water to riſe

very ſuddenly, and return again with the ſame motion, which I judged to be about a foot, or eighteen inches perpendicular, which made the barks and boats then afloat run forwards and backwards on their ropes with great rapidity; and this continued for three or four minutes, it being then calm; but after the ſecond or third ruſh of water, it always grew leſs: And this is the neareſt calculation I can make.

Mark M'Callum.

Read Mar. 18, 1756. THE following phænomena are well vouched to have happened at Hambourg, the firſt of November 1755. In one of the Churches many perſons, that were preſent, obſerved an agitation of the branched candleſticks hanging from the roof, about one o'clock after noon. In another church, the cover of the baptiſtery hanging from the roof was alſo remarked to be agitated: and the like motions are ſaid to have happened in other churches. It is likewiſe ſure, that the water in the canal thro' the town, and in the river Alſter, was agitated the ſame day. It is deſcribed firſt to have formed ſeveral gentle whirlpools, from thence to have riſen more and more impetuouſly, throwing about mud brought up from the bottom, and at laſt to have ſubſided with a copious white froth. The Elbe is ſaid to have riſen in ſome places ſtill more violently.